

dreamcom 10 series

User Guide Docking Station

English

dreamcom 10 series

Docking Station

User Guide

Technical Support

Dreamcom Corporation
Tittwiesenstrasse 27
7000 Chur, Switzerland

Telephone: +41 81 300 43 50
Contact email: contact@dreamcom.ch

For additional information, please visit the Dreamcom Web site: www.dreamcom.ch

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Introduction

Congratulations on your purchase of the dreamcom 10 series docking station. The docking station transforms your dreamcom 10 notebook computer into a full-featured desktop workstation. This compact and light portable expansion module comes with a unique rotating holder that allows you to position the computer in various angles. Its innovative docking mechanism provides secure and easy installation.

The docking station also features video capabilities to provide connections for multiple displays and peripherals simultaneously. The S/PDIF digital audio interface connects digital audio equipment such as a digital audio tape machine or audio processing device. It also includes a next-generation ExpressCard 34/54 card slot and a 5-in-1 card reader for optional MultiMedia card, Secure Digital card, Memory Stick, Memory Stick Pro, or XD-Picture card. A built-in TV tuner on the docking station allows viewing of standard analog television broadcast directly to your notebook computer and an option for viewing digital television broadcast is available when you connect the DVB-T digital TV antenna to the TV tuner. The docking station also features additional hard drive bay that accommodates up to two 2.5-inch SATA hard disk drives and provides easy backup of data stored on your computer's internal hard drive.

Features

Human-centric design and ergonomics

- Sleek, smooth, slim and stylish design
- Adjustable to different angles for comfortable tilt position and ergonomic viewing
- Holds the dreamcom 10 notebook computer securely
- Fits easily into any laptop bag

Multimedia

- Two built-in speakers

Storage

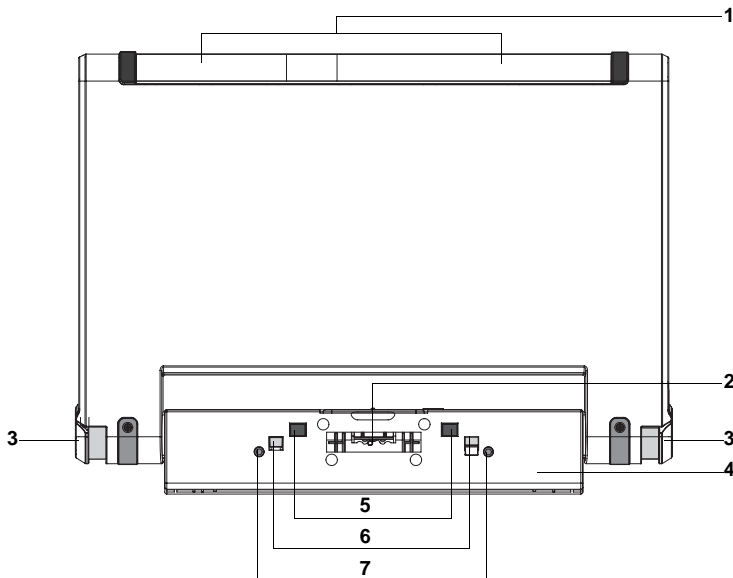
- Two 2.5-inch hard disk drive bay (SATA interface)
- ExpressCard slot (ExpressCard 34/54 module)
- MultiMedia card slot

Connectivity

- IEEE 1394 (4-pin)
- TV input port
- Four USB 2.0 ports
- Audio in /S/PDIF In port
- Audio out/S/PDIF out port
- S-video out port
- HDMI port
- CRT/VGA port
- Ethernet LAN
- ExpressCard slot (ExpressCard 34/54 module)
- MultiMedia card slot (SD/MMC/MS/MS-Pro/XD)
- DC-in jack for AC adaptor

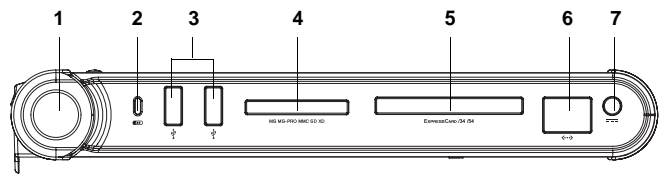
Hardware tour

Top view



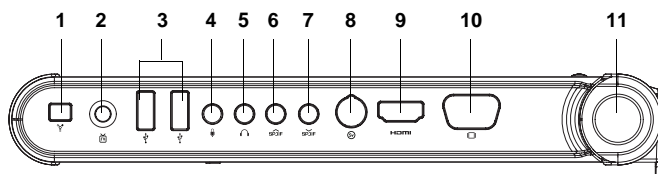
#	Item	Description
1	Speakers	Outputs sound.
2	Docking connector	Connects to the computer.
3	Eject buttons (left and right)	Simultaneous pressing of the eject buttons undock the computer from the docking station.
4	Rotating handle	Allows you to adjust the position of the docking station and computer.
5	Docking eject pins	Disconnects the computer from the docking station docking connector when the eject button is pushed.
6	Docking restraint brackets	Secures the computer to the docking station.
7	Docking alignment pins	Fits to the computer docking alignment slots to align the computer to the docking station.

Left view



#	Item	Icon	Description
1	Left eject button		Simultaneous pressing of the left eject button with the right eject button will undock the computer from the docking station.
2	Charge LED indicator		Indicates the docking station's battery is being charged. The indicator light goes off when the battery is fully charged.
3	USB ports		Connect to USB devices (e.g., USB digital camera).
4	MultiMedia card slot	MS MS-PRO MMC SD :	Accepts a Secure Digital (SD), <i>Memory Stick</i> (MS), <i>Memory Stick-Pro</i> (MS-Pro), MultiMedia Card (MMC), or xD-Picture Card (xD) memory card.
5	ExpressCard 34/54 slot	EXPRESSCARD /34 /54	Accepts an ExpressCard 34/54 module.
6	Network jack		Connects to an Ethernet-based network.
7	DC-in jack		Connects to an AC adapter.

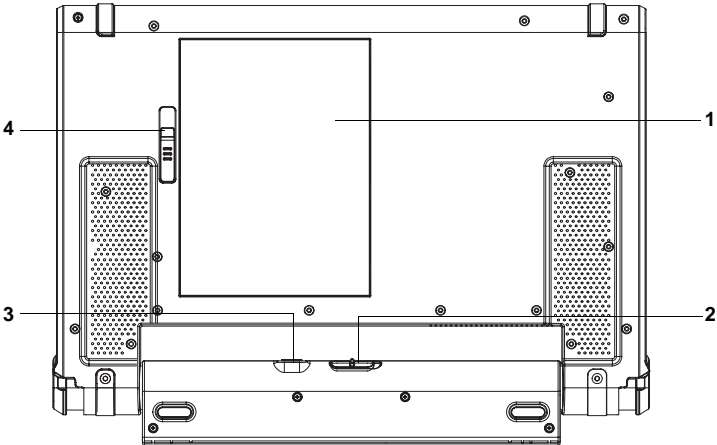
Right view





#	Item	Icon	Description
1	IEEE 1394 port		Connects to a IEEE 1394-compatible (4-pin) device (e.g., digital video camera).
2	TV input jack		<p>Connects to an analog TV signal cable to view local or basic cable channels.</p> <p>Connects to a digital TV signal cable through the provided DVB-T digital TV antenna to view digital TV channels.</p> <p>Note: Not supported in business version.</p>
3	USB ports		Connects to USB devices (e.g., USB digital camera).
4	Microphone jack		Inputs sounds and voices into your computer.
5	Headphone-out jack		Connects to a headphone.
6	S/PDIF line-out jack		Connects to audio line-out devices (e.g. speakers, headphones); supports S/PDIF connections.
7	S/PDIF line-in jack		Accepts audio line-in devices and supports S/PDIF connections.
8	S-video out port		Connects to a television or display device with S-video input.
9	HDMI port		Connects to an external video device (e.g. DVD multimedia player, set top box).
10	VGA port		Connects to an external display device (e.g. external monitor, LCD projector).

#	Item	Icon	Description
11	Right eject button		Simultaneous pressing of the right eject button with the left eject button will undock the computer from the docking station.

Bottom view



#	Item	Icon	Description
1	Battery cover		Remove cover to install the battery pack.
2	Docking rotation latch		Slide latch towards the unlock icon to release the docking station handle, then rotate the handle by 0°, 80°, or 174° position. Slide latch towards the lock icon to keep the docking station handle locked and secured in 0°, 80°, or 174° position.
3	Application release latch		Slide the latch down to request the operating system to undock the computer from the docking station.
4	Battery cover latch		Locks and releases the battery cover.

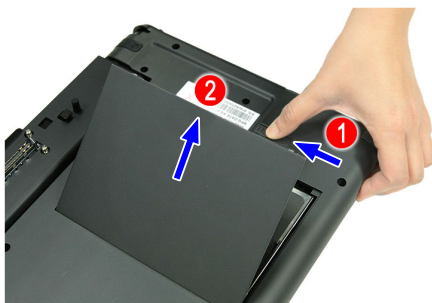
Using the docking station

This section includes instructions on the following procedures:

- Installing the battery pack
- Charging the battery
- Docking the computer
- Turning the system on
- Turning the system off
- Undocking the computer

Installing the battery pack

1. Slide the battery cover latch to the left **(1)**, then remove the battery cover **(2)**.



2. Align the tabs on the battery pack with the grooves on the rear side of the docking station, and then insert the battery pack in place.



3. Replace the battery cover.

Charging the battery

The docking station uses a Lithium-ion battery pack which does not have the memory effect problem of Nickel Cadmium (NiCd) batteries. Li-Ion batteries consistently provide the longest battery life, best-suited for road warriors.

When the battery charge level becomes low, the charge indicator on the computer flashes at regular intervals. This tells you that the battery power is critically low (and you should save your work). You can correct this situation by recharging the battery pack.

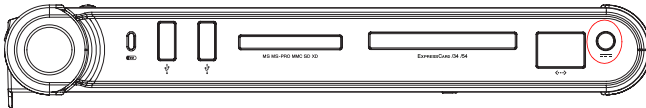


Warning! Do not expose battery packs to temperatures below 0°C (32°F) or above 60°C (140°F). This may adversely affect the battery pack.

You can use the docking station to charge the battery on the computer and the docking station.

To charge the battery in the docking station:

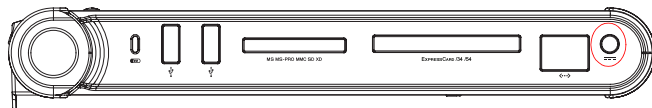
1. Install the battery pack. See page 9 for instructions.
2. Connect one end of the AC adapter to the DC-in port on the docking station.



3. Connect the power cord to the AC adapter and the other end to a properly grounded power outlet.

To charge the battery in the computer when the computer is connected to the docking station:

1. Install the battery pack. See page 9 for instructions.
2. Connect one end of the AC adapter to the DC-in port on the docking station.



3. Connect the computer to the docking station. See page 12 for instructions.



Note: The docking station charges the battery in the computer first before it charges the battery in the docking station. However, when there is no battery in the docking station, you can still use the docking station to charge the battery in the computer.

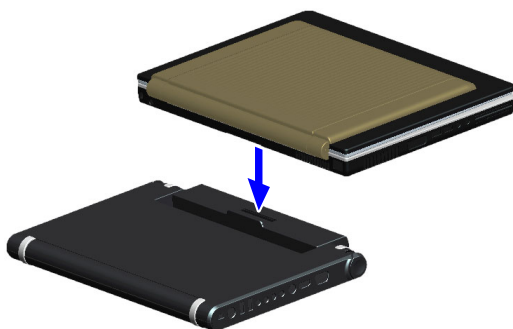
Docking the computer




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Note: Before you begin, make sure your battery is fully charged and installed on the docking station.

1. Place the docking station on a flat, stable surface.
2. Align the docking alignment slots and docking connector on the bottom of the computer with the alignment pins, restraint brackets, and docking connectors on the docking station, then gently push down the computer.



3. Slide the docking rotation latch towards the lock icon  to secure the computer to the docking station.



4. Slide the application release latch  upward.



5. Turn on the computer.

The docking indicator on the dreamcom10 notebook computer turns on. Refer to the dreamcom 10 series Notebook User Guide for the location of the indicator.

Turning the system on

1. Open the display by lifting up the cover then tilt it to a comfortable viewing position.



Warning! Do not open the LCD display to more than 120° angle when the computer is positioned at an angle of 10° to the surface. Failure to do so may cause unit to tip over or fall and cause serious injury.

2. Press the power button to turn on the power.

Refer to the user manual for more information on how to operate the computer.


Turning the system off

Follow the standard shutdown procedure described in the user manual.

Undocking the computer



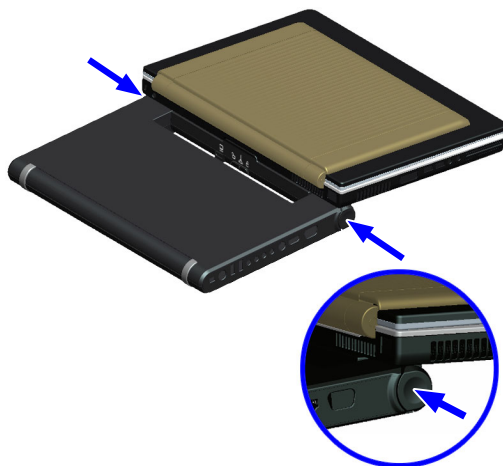
Important: When the docking indicator on the dreamcom 10 is on, you cannot detach your computer with the left and right eject buttons. You can request the operating system to undock your computer from the docking station by sliding the application release latch upward.

1. Make sure that all external peripheral devices connected to the docking station are not in use.
2. Slide the application release latch  down to request the operating system to undock the computer.



3. Turn the system off.

4. Simultaneously press the left and right eject buttons on the docking station.



5. Grasping both sides, lift the computer away from the docking station.




Adjusting the computer position

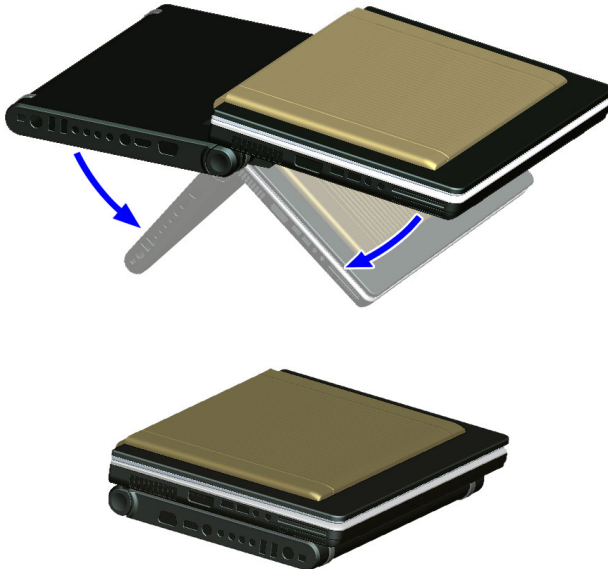
The docking station's rotating handle offers comfortable viewing and angle adjustment. You can adjust the position of the docking station and computer in three convenient position adjustment: 0°, 80°, and 174°.




Note: The computer must be connected to the docking station before performing the below steps. Refer to "Docking the computer" on page 12 for detailed instruction.

To adjust from 174° to 0° angle:


1. Make sure the docking rotation latch is positioned to the unlock icon .
2. Lift the computer and docking station assembly, then fold both the computer and docking station toward the center until they meet.

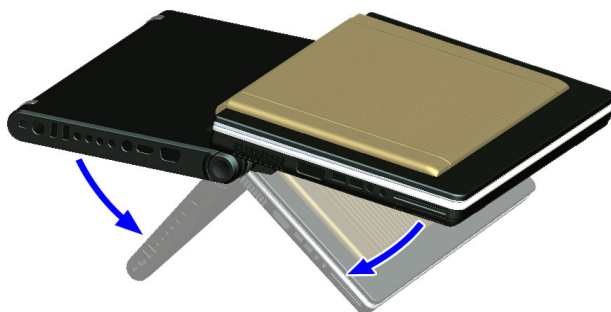



3. Slide the application release latch  upward.




To adjust the computer from 174° to 80° angle:

1. Make sure the docking rotation latch is positioned to the unlock icon .
2. Lift the computer and docking station assembly, then fold the computer and docking station at 80° angle, as shown in the illustration below. There is an audible sound when the position is locked.




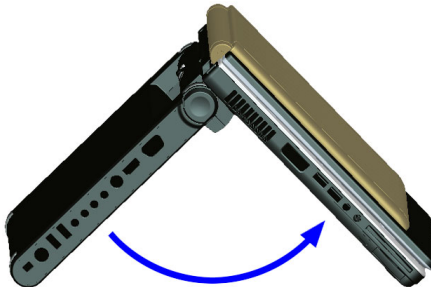
- Slide the docking rotation latch towards the lock icon  to secure the computer and docking station in the locked position.

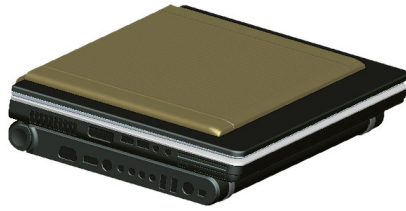



- Slide the application release latch  upward.

To adjust the computer from 80° to 0°:


- Make sure the docking rotation latch is positioned to the unlock icon .
- Fold in the docking station to the computer.

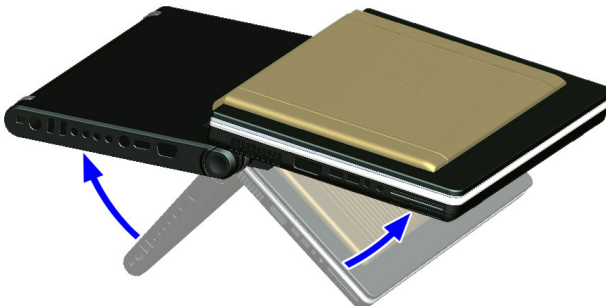
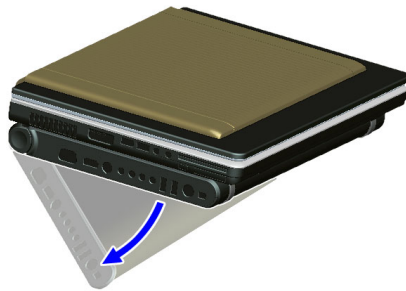


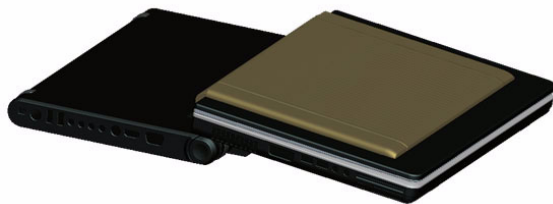



3. Slide the application release latch  upward.

To adjust the computer from 0° to 174°:

1. Make sure the docking rotation latch is positioned to the unlock icon .
2. Grasp the sides of the docking station and computer and gently pull the docking station away from the computer until it has reached an angular position of 174°, as shown in the illustrations below.





3. Slide the application release latch  upward.

Connecting peripherals

This section describes how to connect peripherals and hardware options that help you use your docking station with ease. When connecting peripherals, read the manual included with the peripheral for operating instructions. You can purchase most of these and other options directly from authorized dealers.

USB devices

The four USB (Universal Serial Bus) 2.0 ports on the docking station allow you to connect peripherals without occupying too many resources. Common USB devices include a mouse, keyboard, and digital camera.

Before disconnecting a USB device from your computer, click on the Safely Remove Hardware icon on the Windows taskbar and click on the device. When the device can be safely removed, disconnect the device from the computer. See your peripheral's documentation for details.

External monitor

You can connect an external monitor to the VGA and/or S-video port.

VGA

Connect an external monitor to the VGA port on the right panel. Read the monitor manual for additional instructions.



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Note: If an external monitor is not connected, closing the display cover puts the computer into Standby mode.

S-video

The S-video port on the docking station allows you to output to a television or display devices that support S-video input. This is useful if you want to do some presentations or watch movies on a bigger screen.

External keyboard

If you feel more comfortable using a desktop keyboard, you can connect a USB external keyboard to an available USB port.

External pointing device

This computer accepts a USB mouse or a similar pointing device. Simply plug it into an available USB port.

Printer

You can connect a USB printer to an available USB port. See your printer manual for operating instructions.

Audio devices

Audio devices are easy to connect to the audio ports accessible on the right panel. You can plug an external microphone (or an audio line-in device) into the line-in jack. Amplified speakers or headphones connect to the headphone-out jack. The line-in and line-out jack on the docking station also supports digital audio devices (S/PDIF).

Video devices

You can connect a DVD player that has a digital interface to the HDMI port. See your DVD player manual for operating instructions.

ExpressCard

The docking station has a built-in ExpressCard slot that can accommodate one ExpressCard 34/54 module. Please consult your dealer for ExpressCard options available that you can purchase for your computer.



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Note: Refer to your card's manual for details on how to install and use the card and its functions.

To insert an ExpressCard:

1. Hold the card label-side up with the card facing the computer.
2. Slide the card into the slot until it is seated.

To remove an ExpressCard:

Before ejecting a card:

- Exit the application using the card.
 - Left-click on the Safely Remove Hardware icon on the Windows taskbar and stop the card operation.
1. Gently press the ExpressCard module further into the ExpressCard slot to pop it out.
 2. Pull out the ExpressCard module from the ExpressCard slot.

MultiMedia cards

Your docking station comes with a MultiMedia card slot. This slot is useful for transferring data to and from a *Memory Stick*, *Memory Stick-Pro*, SD, xD-Picture Card or MultiMedia Card (MMC). Memory cards are used in a variety of digital devices such as digital cameras, digital camcorders and mobile phones.



Note: Refer to your card's manual for details on how to install and use the card and its functions.

To insert a card:

1. Hold the card with the label facing up and aligned with the slot.
2. Slide the card into the slot until it is seated.
3. The card now appears on My Computer as a removable storage device that you can copy files to and from.

To remove a card:

1. Make sure no operation (e.g., file copying or deletion) is using the card.
2. Gently press the card module further into the slot to pop it out.
3. Pull out the card from the slot.

IEEE 1394 devices

The fast IEEE 1394 (4-pin) port on the docking station allows you to connect IEEE 1394 supported devices like a digital video camera or external storage devices.

Before disconnecting an IEEE 1394 device, click on the Safely Remove Hardware icon on the Windows taskbar and click on the device. When the device can be safely removed, disconnect the device from the computer. See your peripheral's documentation for details.

TV signal source (not supported in business version)

The docking station supports analog and digital signal source connection options.

To connect an analog TV signal:

1. Connect the antenna cable adapter to the TV input jack on the docking station.



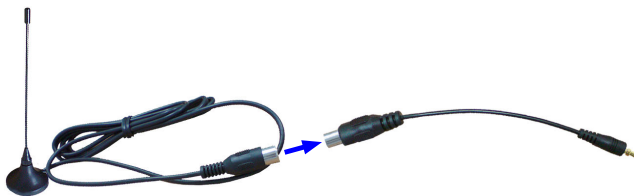
2. Connect the other end of the cable adapter to a coaxial cable from a cable box or cable wall outlet.

To connect a digital TV signal:

1. Connect the DVB-T cable adapter to the TV input jack on the docking station.



2. Connect the DVB-T digital TV antenna to the other end of the cable adapter.



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Note: Refer to the manual provided with the DVB-T digital TV antenna for details on its functions.

Replacing the hard disk drive module

Tool requirements

We recommend that you have the following tools ready:

- Phillips screwdriver (#00, #0, or #1)
- Plastic flathead screwdriver

ESD (Electrostatic Discharge) precautions

Always observe the following precautions before you replace the SATA hard drive:

- Do not remove a component from its protective packaging until you are ready to install it.
- Wear a wrist grounding strap and attach it to a metal part of the computer before handling components. If a wrist strap is not available, maintain contact with the computer throughout any procedure requiring ESD protection.
- Keep the work area free of nonconductive materials, such as ordinary plastic assembly aids and foam packing.

To replace a hard disk drive module:

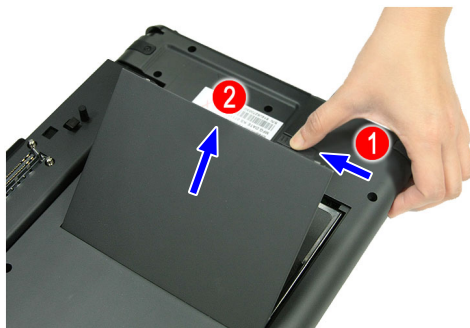


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Note: Before performing any hardware upgrade, protect your data by backing up your existing hard disk drive (HDD) before installing a new hard drive.

1. Turn the unit over.

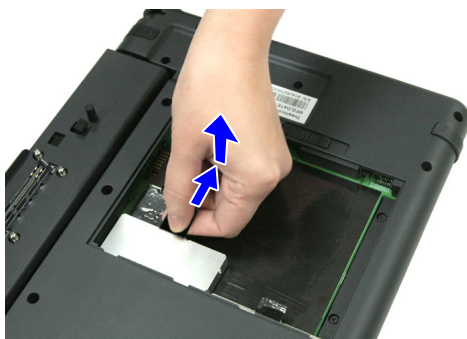
2. Slide the battery cover latch to the left **(1)**, then remove the battery cover **(2)**.



3. Gently pull on the tape attached to the battery and lift the battery out.



4. Gently pull on the tape attached to the HDD module to slide it out of its bay.



5. Remove the two screws that secure the HDD to the bracket.



6. Slide the HDD out of the bracket.



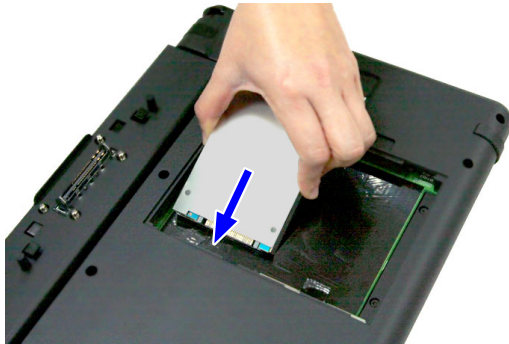
7. Remove the new HDD from its protective packaging.
8. Slide the new HDD into the bracket.



9. Secure the HDD to the bracket with the two screws you removed earlier.



10. Slide the HDD module into the bay until it is fully seated.



11. Replace the battery pack.



12. Replace the battery cover. Make sure to slide the battery cover latch forward to lock the battery cover.

Specifications

I/O ports		IEEE 1394 port (4-pin) TV input jack Four USB 2.0 ports Audio line-out jack (S/PDIF) (3.5mm mini-jack) Audio line-in jack (S/PDIF) (3.5mm mini-jack) S-video output port HDMI VGA DC-in jack RJ-45 network jack (Ethernet 10/100) ExpressCard slot (ExpressCard 34/54 module) MultiMedia card slot (Secure Digital, <i>Memory Stick</i> , <i>Memory Stick-Pro</i> , xD-Picture Card or MultiMediaCard)
Position Adjustment		174° / 80° / 0°
Speaker Output		10W (x2 Channels)
Power	Voltage	120VAC, 60HZ, 5.5A
Temperature	Operating	15 to + 35° C (Hum < 75%)
	Storage	10 to + 50° C (Hum < 35%)
Humidity (Relative)	Operating	20 to 80% non-condensing
	Storage	20 to 90% non-condensing
Dimension	Physical	354 x 262 x 34.5 mm
Weight	Gross/Net	1.852 kg (with battery pack)
Note: Product specifications are subject to change without notice.		

User support

Refer to the following help resources on how to use the docking station:

- This User Guide - For information on operating instructions.
- dreamcom 10 series Notebook User Guide - For information on how to operate the notebook computer.
- Technical support - Find the support you need for your specific product. Go to the Dreamcom Web site <http://www.dreamcom.ch>.

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